

SEQUENCE LISTING

<110> Garrett-Engеле, Philip, W
Johnson, Jason, M

<120> Alternatively Spliced Isoform of Human
GRM2

<130> RS0205

<150> US 60/409,094

<151> 2002-09-09

<160> 12

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2520

<212> DNA

<213> Homo sapiens

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 <212> PRT
 <213> Homo sapiens

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 35 40 45
 Asp Cys Gly Pro Val Asn Glu His Arg Gly Ile Gln Arg Leu Glu Ala
 50 55 60
 Met Leu Phe Ala Leu Asp Arg Ile Asn Arg Asp Pro His Leu Leu Pro
 65 70 75 80
 Gly Val Arg Leu Gly Ala His Ile Leu Asp Ser Cys Ser Lys Asp Thr
 85 90 95
 His Ala Leu Glu Gln Ala Leu Asp Phe Val Arg Ala Ser Leu Ser Arg
 100 105 110
 Gly Ala Asp Gly Ser Arg His Ile Cys Pro Asp Gly Ser Tyr Ala Thr
 115 120 125
 His Gly Asp Ala Pro Thr Ala Ile Thr Gly Val Ile Gly Gly Ser Tyr
 130 135 140
 Ser Asp Val Ser Ile Gln Val Ala Asn Leu Leu Arg Leu Phe Gln Ile
 145 150 155 160
 Pro Gln Ile Ser Tyr Ala Ser Thr Ser Ala Lys Leu Ser Asp Lys Ser
 165 170 175
 Arg Tyr Asp Tyr Phe Ala Arg Thr Val Pro Pro Asp Phe Phe Gln Ala
 180 185 190
 Lys Ala Met Ala Glu Ile Leu Arg Phe Phe Asn Trp Thr Tyr Val Ser
 195 200 205
 Thr Glu Ala Ser Glu Gly Asp Tyr Gly Glu Thr Gly Ile Glu Ala Phe
 210 215 220
 Glu Leu Glu Ala Arg Ala Arg Asn Ile Cys Val Ala Thr Ser Glu Lys
 225 230 235 240
 Val Gly Arg Ala Met Ser Arg Ala Ala Phe Glu Gly Val Val Arg Ala
 245 250 255
 Leu Leu Gln Lys Pro Ser Ala Arg Val Ala Val Leu Phe Thr Arg Ser
 260 265 270
 Glu Asp Ala Arg Glu Leu Leu Ala Ala Ser Gln Arg Leu Asn Ala Ser
 275 280 285
 Phe Thr Trp Val Ala Ser Asp Gly Trp Gly Ala Leu Glu Ser Val Val
 290 295 300
 Ala Gly Ser Glu Gly Ala Ala Glu Gly Ala Ile Thr Ile Glu Leu Ala

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Ser Tyr Pro Ile Ser Asp Phe Ala Ser Tyr Phe Gln Ser Leu Asp Pro			
325	330	335	
Trp Asn Asn Ser Arg Asn Pro Trp Phe Arg Glu Phe Trp Glu Gln Arg			
340	345	350	
Phe Arg Cys Ser Phe Arg Gln Arg Asp Cys Ala Ala His Ser Leu Arg			
355	360	365	
Ala Val Pro Phe Glu Gln Glu Ser Lys Ile Met Phe Val Val Asn Ala			
370	375	380	
Val Tyr Ala Met Ala His Ala Leu His Asn Met His Arg Ala Leu Cys			
385	390	395	400
Pro Asn Thr Thr Arg Leu Cys Asp Ala Met Arg Pro Val Asn Gly Arg			
405	410	415	
Arg Leu Tyr Lys Asp Phe Val Leu Asn Val Lys Phe Asp Gly Ser Gly			
420	425	430	
Arg Tyr Arg Tyr Gln Lys Val Gly Tyr Trp Ala Glu Gly Leu Thr Leu			
435	440	445	
Asp Thr Ser Leu Ile Pro Trp Ala Ser Pro Ser Ala Gly Pro Leu Ala			
450	455	460	
Ala Ser Arg Cys Ser Glu Pro Cys Leu Gln Asn Glu Val Lys Ser Val			
465	470	475	480
Gln Pro Gly Glu Val Cys Cys Trp Leu Cys Ile Pro Cys Gln Pro Tyr			
485	490	495	
Glu Tyr Arg Leu Asp Glu Phe Thr Cys Ala Asp Cys Gly Leu Gly Tyr			
500	505	510	
Trp Pro Asn Ala Ser Leu Thr Gly Cys Phe Glu Leu Pro Gln Glu Tyr			
515	520	525	
Ile Arg Trp Gly Asp Ala Trp Ala Val Gly Pro Val Thr Ile Ala Cys			
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Leu Gly Ala Leu Ala Thr Leu Phe Val Leu Gly Val Phe Val Arg His			
545	550	555	560
Asn Ala Thr Pro Val Val Lys Ala Ser Gly Arg Glu Leu Cys Tyr Ile			
565	570	575	
Leu Leu Gly Gly Val Phe Leu Cys Tyr Cys Met Thr Phe Ile Phe Ile			
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Ala Lys Pro Ser Thr Ala Val Cys Thr Leu Arg Arg Leu Gly Leu Gly			
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Thr Ala Phe Ser Val Cys Tyr Ser Ala Leu Leu Thr Lys Thr Asn Arg			
610	615	620	
Ile Ala Arg Ile Phe Gly Gly Ala Arg Glu Gly Ala Gln Arg Pro Arg			
625	630	635	640
Phe Ile Ser Pro Ala Ser Gln Val Ala Ile Cys Leu Ala Leu Ile Ser			
645	650	655	
Gly Gln Leu Leu Ile Val Val Ala Trp Leu Val Val Glu Ala Pro Gly			
660	665	670	
Thr Gly Lys Glu Thr Ala Pro Glu Arg Arg Glu Val Val Thr Leu Arg			
675	680	685	
Cys Asn His Arg Asp Ala Ser Met Leu Gly Ser Leu Ala Tyr Asn Val			
690	695	700	
Leu Leu Ile Ala Leu Cys Thr Leu Tyr Ala Phe Asn Thr Arg Lys Cys			
705	710	715	720
Pro Glu Asn Phe Asn Glu Ala Lys Phe Ile Gly Phe Thr Met Tyr Thr			
725	730	735	
Thr Cys Ile Ile Trp Leu Ala Leu Pro Ile Phe Tyr Val Thr Ser			
740	745	750	
Ser Asp Tyr Arg Val Gln Thr Thr Met Cys Val Ser Val Ser Leu			
755	760	765	

Ser Gly Ser Val Val Leu Gly Cys Leu Phe Ala Pro Lys Leu His Ile
 770 775 780
 Ile Leu Phe Gln Pro Gln Lys Asn Val Val Ser His Arg Ala Pro Thr
 785 790 795 800
 Ser Arg Phe Gly Ser Ala Ala Ala Arg Ala Ser Ser Ser Leu Gly Gln
 805 810 815
 Gly Ser Gly Ser Gln Phe Val Pro Thr Val Cys Asn Gly Arg Glu Val
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 Val Asp Ser Thr Thr Ser Ser Leu
 835 840

<210> 3
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 <212> DNA
 <213> Homo sapiens

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<210> 4
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<400> 4
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<210> 5
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<400> 5 25
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<210> 6
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<400> 6 25
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<210> 7
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<400> 7 25
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ctgcacgctt tatgccttca atact 25

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<400> 10
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<400> 11
atgggatcgc tgcttgcgct cctgg 25

<210> 12
<211> 27
<212> DNA
<213> Homo sapiens

<400> 12
aagcgatgac gttgtcgagt cctcacg 27